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In accordance with 37 C.F.R. §1.121 (as amended on 11/7/2000) the rewritten claim(s) above are shown on separate page(s) marked up to show all the changes relative to the previous version of that section.

Respectfully submitted,

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Date _____

8 Nov 01

Application entitled: DEVICE FOR HANDLING SUBSTRATES INSIDE AND OUTSIDE A CLEAN ROOM

MARKED UP CLAIM(S)

1. Device (10) for manipulating substrates (11) inside and outside an ultraclean workroom (15) with a sluice device (17), provided between a storage room (20) and the ultraclean workroom (15) by means of which a substrate cassette (12) accommodated under ultraclean room conditions in a box (13) can be removed from box (13) or reintroduced into this box, and with a first manipulating device (51) by means of which substrates (11) can be placed in cassette (12) and can be removed from this cassette, is hereby characterized in that at the storage room (20) for a multiple number of cassette boxes (13) is accommodated in row and/or column arrangement on substantially the entire ultraclean workroom. ~~on or above the ultraclean workroom (15) and that sluice device (17) is provided between storage room (20) and ultraclean workroom (15).~~

4. Device according to ~~at least one of claims 1 to 3~~, further characterized in that sluice device (17) is arranged in the floor (24) of storage room (20) or of the ceiling of ultraclean workroom (15).

5. Device according to claims ~~3 and 4~~, further characterized in that the sluice door is formed by platform (63) of cassette box (13).

6. Device according to ~~at least one of claims 1 to 3~~, further characterized in that sluice device (17) is arranged in a side wall of ultraclean workroom (15).

7. Device according to ~~claims 3 and 6~~, further characterized in that sluice door (67) is formed in a hood (64) of cassette box (13).

8. Device according to ~~at least one of claims 2 to 7~~, further characterized in that a lifting device (47) for substrate cassette (12) or cassette box (13) is assigned to each locking unit (18).

9. Device according to ~~at least one of the preceding claims 1~~, further characterized in that ultraclean workroom (15) is provided with several working chambers (42 to 44) for processing, manufacturing, testing, sorting and/or like procedures, between which, arranged underneath, and/or between these and the one or more sites of substrate cassettes (12), the first manipulating device (51) is provided.

11. Device according to ~~at least one of the preceding claims 1~~, further characterized in that storage room (20) is provided with storage spaces (28, 29) in row and/or column arrangement, between which, arranged underneath and/or between locking units (18) of sluice device (17) and/or between storage spaces (28, 29) and locking units (18), a

13. Device according to ~~at least one of the preceding claims~~
1, further characterized in that storage room (20) is
provided with one or more input/output openings (22, 23) for
cassette boxes (13).

16. Device according to ~~at least one of the preceding claims~~
1, further characterized in that manipulating device (31, 51)
is provided with a fork or gripper unit.